

11/21/00  
10960 U.S. PTO

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PATENTS, TRADEMARKS, COPYRIGHTS

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BARRY R. LIPSITZ  
DOUGLAS M. McALLISTER

A  
10929 U.S. PTO  
09/77761  
11/21/00

**BOX PATENT APPLICATION**

Commissioner for Patents  
Washington, D.C. 20231

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**FILED UNDER 37 C.F.R. §1.53(b)**

Sir:

Transmitted herewith for filing is the patent application of:

- Inventor(s): (1) **Xin QIU**  
10259 Harvest View Way  
San Diego, California 92128, U.S.A.
- (2) **Eric J. SPRUNK**  
7309 Bolero Street  
Carlsbad, California 92009, U.S.A.

Title: **METHODS AND APPARATUS FOR KEYSTREAM GENERATION**

**APPLICATION ELEMENTS:**

- (1) ☒ Patent Application Specification, including Abstract and claims - 52 pages  
(2) ☒ Eight (8) sheets of formal drawings, together with transmittal letter  
(3) ☒ A check in the amount of \$1,294.00 to cover the ☒ filing fee (\$1,214.00) and/or  
☒ Assignment Recordal Fee (\$80 for two Assignments) is enclosed.  
☐ Before calculating the fee, cancel claim(s)  
☐ Before calculating the fee, see copy of Preliminary Amendment filed.

Basic Fee							\$710.00
Multiple Dependent Claims (\$270.)							0
Foreign Language Surcharge (\$130.)							0
	For	No. Filed	-	No. Extra		Rate	0
EXTRA	Total Claims	48	20	28	X	\$18.	= 504.00
CLAIMS	Independent Claims	2	3	0	X	\$80.	= 0
TOTAL FILING FEE							= \$1214.00

- ☒ The Commissioner is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 50-0625.

**Box Patent Application**  
**Commissioner for Patents**  
**Page 2**

- (4) ☒ Two (2) Declaration and Power of Attorney forms - one signed by inventor QIU November 18, 2000, and one signed by inventor SPRUNK November 16, 2000.
- a. ☒ Newly executed
  - b. ☐ Copy from a prior application
  - c. ☐ Deletion of inventor(s) – signed statement attached deleting inventor(s) named in the prior application.
- (5) ☐ Small Entity Declaration
- a. ☐ Newly executed
  - b. ☐ Copy from a prior application. Status still proper and desired.

**ACCOMPANYING APPLICATION PARTS:**

- (6) ☒ Two (2) Assignment documents - one signed by Assignor QIU November 16, 2000, and one signed by Assignor SPRUNK November 16, 2000.
- a. ☒ Newly executed (with \$80.00 recordal fee for two documents) and separate transmittal Forms PTO-1595
  - b. ☐ Copy from a prior application
- (7) ☐ Preliminary Amendment
- (8) ☐ Certified Copy of Priority Document, together with separate transmittal letter
- (9) ☐ Information Disclosure Statement, together with PTO Form 1449 and copies of cited references
- (10) ☒ Return receipt postage prepaid postcard
- (11) ☒ Express Mail Certificate (Mailing Label No. EL 628 666 890 US)
- (12) ☐ Other:
- a. ☐

**Box Patent Application**  
**Commissioner for Patents**  
**Page 3**

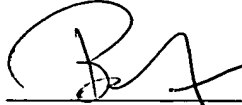
- (13) [ ] If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
of prior application no.:  
Prior application information:  
Examiner:                      Group/Art Unit:  
Status:

FOR CONTINUATION or DIVISIONAL APPLICATIONS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under paragraph 4(b) above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

- (14) [ ] Please amend the specification by inserting before the first line the sentence:
- (15) [ X ] This application claims the benefit of U.S. provisional patent application no. 60/167,185 filed November 23, 1999.
- (16) [ X ] Correspondence address:  
**Barry R. Lipsitz**  
**Law Offices of Barry R. Lipsitz**  
**755 Main Street, Building No. 8**  
**Monroe, CT 06468**  
**Telephone: (203) 459-0200**

Respectfully submitted,



Barry R. Lipsitz  
Attorney for Applicant(s)  
Registration No. 28,637  
755 Main Street, Building No. 8  
Monroe, CT 06468  
(203) 459-0200

**ATTORNEY DOCKET NO.: GIC-609**  
Date: November 21, 2000

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

PATENT



In re Application of: )

QIU, et al. )

Filed: Herewith )

Title: **METHODS AND APPARATUS FOR KEYSTREAM GENERATION**

**BOX PATENT APPLICATION**

Commissioner for Patents  
Washington, D.C. 20231

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Mailing Label No: **EL 628 666 890 US**

Date of Deposit: **November 21, 2000.**

I hereby certify that the attached:

- ☒ Check in the amount of \$1,294.00 (filing fee and Assignment recordal fee)
- ☒ Application Transmittal Letter - 3 pages
- ☒ Patent Application Specification, including Abstract and claims - 52 pages
- ☒ Eight (8) sheets of formal drawings, together with transmittal letter
- ☒ Two (2) Declaration and Power of Attorney forms
- ☒ Two (2) Assignments, together with PTO Forms 1595

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to **BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231**

Cathy Dunne

Typed or printed name of person mailing paper or fee

*Cathy Dunne*

Signature of person mailing paper or fee

Respectfully submitted,

*[Signature]*

Barry R. Lipsitz

Attorney for Applicant(s)

Registration No. 28,637

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Date: November 21, 2000

Attorney Docket No.: GIC-609

P A T E N T

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

QIU, et al.

Application No.:

Filed: Herewith

For: METHODS AND APPARATUS FOR KEYSTREAM GENERATION

**DRAWING REVIEW BRANCH**  
Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (No. EL 628 666 890 US) in an envelope addressed to: BOX PATENT APPLICATION, Commissioner for Patents, Washington, D.C. 20231 on:  
November 21, 2000

By:

Cathy Dunne  
Cathy Dunne

TRANSMITTAL OF FORMAL DRAWING(S)

Dear Sir:

Enclosed are EIGHT (8) sheets of formal drawings for filing in the above-referenced patent application.

Please advise the undersigned attorney if correction is necessary.

Respectfully submitted,

Barry R. Lipsitz

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